Amendments to the Claims

Kindly cancel claims 2, 3, 5, 11-17, 20-25, 27, 28, 30, 36-42, 45-50, 52, 53, 55, 61-67 and 70-72, without prejudice, and amend claims 1, 4, 6, 7, 18, 19, 26, 29, 31, 32, 43, 44, 51, 54, 56, 57, 68 and 69, as set forth below. The changes in the amended claims are shown by strikethrough (for deleted matter) and underlining (for added matter).

1.   (Currently Amended) A method of presenting data, said method comprising:

selecting a display mode for displaying thread data of one or more threads of at least one application, said display mode comprising one of a function-centric display mode and a thread-centric display mode, wherein said selecting comprises dynamically switching, by a user, between said function-centric display mode and said thread-centric display mode; and

displaying said thread data based on the selected display mode, wherein if the selected display mode is the function-centric display mode, focus is on what happens within one or more functions of the at least one application, and said displaying comprises displaying a hierarchical structure which includes one or more functions having a parental relationship to the one or more threads, the hierarchical structure including corresponding thread data for each of the one or more threads of the one or more functions, and wherein a function includes accumulated thread data of a plurality of threads children to the function; and

if the selected display mode is the thread-centric display mode, focus is on thread activity, and said displaying comprises displaying a hierarchical structure in which the one or more threads have a parental relationship to one or more other components of said at least one application, the hierarchical structure including corresponding thread data for each of the one or more threads, said corresponding thread data of a thread including accumulated data of a plurality of components to which the thread has a parental relationship.

2.   (Canceled)

3. (Canceled)

4. (Currently Amended) The method of claim ~~3~~ 1, wherein the corresponding thread data for a thread includes performance data of that thread as it pertains to a particular function.

5. (Canceled)

6. (Currently Amended) The method of claim ~~5~~ 1, wherein the corresponding thread data for a thread includes accumulated performance data of the one or more other components that are children of that thread.

7. (Currently Amended) The method of claim 1, wherein said <u>thread</u> data includes performance data of said one or more threads.

8. (Original) The method of claim 7, wherein said performance data comprises profile data of said one or more threads.

9. (Original) The method of claim 1, wherein said selected display mode is the function-centric mode, and the thread data of a thread of said one or more threads comprises data indicating an amount of system resources consumed by the thread when executing a particular function of the at least one application.

10. (Original) The method of claim 1, wherein said selected display mode is the thread-centric mode, and the thread data of a thread of said one or more threads comprises data indicating an amount of system resources consumed by the thread when executing one or more functions of the at least one application.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15.   (Canceled)

16.   (Canceled)

17.   (Canceled)

18.   (Currently Amended) The method of claim ~~14~~1, wherein the displaying based on a function-centric display mode comprises presenting a plurality of data structures in an organizational structure, said organizational structure ~~is~~ being based on functional activities, and wherein said presenting comprises using a hierarchical structure of: process data structure→file data structure→function data structure→thread data structure.

19.   (Currently Amended) The method of claim ~~14~~1, wherein the displaying based on a thread-centric display mode comprises presenting a plurality of data structures in an organizational structure, said organizational structure ~~is~~ being based on thread activities, and wherein the presenting comprises using a hierarchical structure of: process data structure→thread data structure→file data structure→function data structure.

20.   (Canceled)

21.   (Canceled)

22.   (Canceled)

23.   (Canceled)

24.   (Canceled)

25.   (Canceled)

26.   (Currently Amended) A system of presenting data, said system comprising:

   a computing unit to:

            ~~means for selecting~~select a display mode for displaying thread data of one or more threads of at least one application, said display mode comprising one of a function-centric display mode and a thread-

centric display mode, wherein said selecting comprises dynamically switching between said function-centric display mode and said thread-centric display mode; ~~and~~

means for displaying display said thread data based on the selected display mode, wherein if the selected display mode is the function-centric display mode, focus is on what happens within one or more functions of the at least one application, and the display comprises displaying a hierarchical structure which includes one or more functions having a parental relationship to the one or more threads, the hierarchical structure including corresponding thread data for each of the one or more threads of the one or more functions, and wherein a function includes accumulated thread data of a plurality of threads children to the function; and

if the selected display mode is the thread-centric display mode, focus is on thread activity, and the display comprises displaying a hierarchical structure in which the one or more threads have a parental relationship to one or more other components of said at least one application, the hierarchical structure including corresponding thread data for each of the one or more threads, said corresponding thread data of a thread including accumulated data of a plurality of components to which the thread has a parental relationship.

27.   (Canceled)

28.   (Canceled)

29.   (Currently Amended) The system of claim ~~28~~26, wherein the corresponding thread data for a thread includes performance data of that thread as it pertains to a particular function.

30.   (Canceled)

31. (Currently Amended) The system of claim ~~30~~26, wherein the corresponding thread data for a thread includes accumulated performance data of the one or more other components that are children of that thread.

32. (Currently Amended) The system of claim 26, wherein said thread data includes performance data of said one or more threads.

33. (Original) The system of claim 32, wherein said performance data comprises profile data of said one or more threads.

34. (Original) The system of claim 26, wherein said selected display mode is the function-centric mode, and the thread data of a thread of said one or more threads comprises data indicating an amount of system resources consumed by the thread when executing a particular function of the at least one application.

35. (Original) The system of claim 26, wherein said selected display mode is the thread-centric mode, and the thread data of a thread of said one or more threads comprises data indicating an amount of system resources consumed by the thread when executing one or more functions of the at least one application.

36. (Canceled)

37. (Canceled)

38. (Canceled)

39. (Canceled)

40. (Canceled)

41. (Canceled)

42. (Canceled)

43. (Currently Amended) The system of claim ~~39~~26, wherein the display based on a function-centric display mode comprises presenting a plurality of data structures in an

organizational structure, said organizational structure is being based on functional activities, and wherein said means for the presenting comprises means for using a hierarchical structure of: process data structure→file data structure→function data structure→thread data structure.

44. (Currently Amended) The system of claim 3926, wherein the displaying based on a thread-centric display mode comprises presenting a plurality of data structures in an organizational structure, said organizational structure is being based on thread activities, and wherein the means for presenting comprises means for using a hierarchical structure of: process data structure→thread data structure→file data structure→function data structure.

45. (Canceled)

46. (Canceled)

47. (Canceled)

48. (Canceled)

49. (Canceled)

50. (Canceled)

51. (Currently Amended) At least one program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to perform a method of presenting data, said method comprising:

selecting a display mode for displaying thread data of one or more threads of at least one application, said display mode comprising one of a function-centric display mode and a thread-centric display mode, wherein said selecting comprises dynamically switching between said function-centric display mode and said thread-centric display mode; and

displaying said thread data based on the selected display mode, wherein if the selected display mode is the function-centric display mode, focus is on what happens within one or more functions of the at least one application, and said displaying

comprises displaying a hierarchical structure which includes one or more functions having a parental relationship to the one or more threads, the hierarchical structure including corresponding thread data for each of the one or more threads of the one or more functions, and wherein a function includes accumulated thread data of a plurality of threads children to the function; and

if the selected display mode is the thread-centric display mode, focus is on thread activity, and said displaying comprises displaying a hierarchical structure in which the one or more threads have a parental relationship to one or more other components of said at least one application, the hierarchical structure including corresponding thread data for each of the one or more threads, said corresponding thread data of a thread including accumulated data of a plurality of components to which the thread has a parental relationship.

52.   (Canceled)

53.   (Canceled)

54.   (Currently Amended) The at least one program storage device of claim 53~~5351~~, wherein the corresponding thread data for a thread includes performance data of that thread as it pertains to a particular function.

55.   (Canceled)

56.   (Currently Amended) The at least one program storage device of claim 55~~5551~~, wherein the corresponding thread data for a thread includes accumulated performance data of the one or more other components that are children of that thread.

57.   (Currently Amended) The at least one program storage device of claim 51, wherein said thread data includes performance data of said one or more threads.

58.   (Original) The at least one program storage device of claim 57, wherein said performance data comprises profile data of said one or more threads.

59.   (Original) The at least one program storage device of claim 51, wherein said selected display mode is the function- centric mode, and the thread data of a thread of said one or more threads comprises data indicating an amount of system resources consumed by the thread when executing a particular function of the at least one application.

60.   (Original) The at least one program storage device of claim 51, wherein said selected display mode is the thread-centric mode, and the thread data of a thread of said one or more threads comprises data indicating an amount of system resources consumed by the thread when executing one or more functions of the at least one application.

61.   (Canceled)

62.   (Canceled)

63.   (Canceled)

64.   (Canceled)

65.   (Canceled)

66.   (Canceled)

67.   (Canceled)

68.   (Currently Amended) The at least one program storage device of claim 64̶5̲1̲, wherein the displaying based on a function-centric display mode comprises presenting a plurality of data structures in an organizational structure, said organizational structure is̶ being based on functional activities, and wherein said presenting comprises using a hierarchical structure of: process data structure→file data structure→function data structure→thread data structure.

69.   (Currently Amended) The at least one program storage device of claim 64̶5̲1̲, wherein the displaying based on a thread-centric display mode comprises presenting a plurality of data structures in an organizational structure, said organizational structure is̶ being based on thread activities, and wherein the presenting comprises using a hierarchical

structure of: process data structure→thread data structure→file data structure→function data structure.

       70.   (Canceled)

       71.   (Canceled)

       72.   (Canceled)